

Release Date 7-10-66

CONFIDENTIAL



P-W

ATLANTIC REFINING #9-1 HOPI 312
SW/4SE/4 S9-T28N-R15E Navajo Count

COUNTY Navajo AREA 10 mi SW Orabi, AZ LEASE NO. Hopi 14-20-0450-5145

WELL NAME Atlantic Refining #9-1 Hopi

LOCATION	<u>SW/4 SE/4</u>	SEC	<u>9</u>	TWP	<u>28N</u>	RANGE	<u>15E</u>	FOOTAGE	<u>660'</u>	FSL	<u>1980'</u>	FEL	
ELEV	<u>5805</u>	GR	<u>5820</u>	KB	SPUD DATE	<u>6-7-65</u>		STATUS	<u>7-7-65</u>		TOTAL	<u>6640'</u>	
	<u>5808 Am Strat</u>												
CONTRACTOR													

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	x
13 3/8"	1034.5	600 SKS	NA	DRILLED BY CABLE TOOL	
				PRODUCTIVE RESERVOIR	
				INITIAL PRODUCTION	PSA

[illegible]

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Am Strat</u>
GRN, Microlog, Induction	NA	NA	SAMPLE DESCRP. <u>U. of A.</u>
Formation Density,			SAMPLE NO. <u>1358*</u>
Borehole Compensated Sonic			CORE ANALYSIS _____
			DSTs _____
			*Tuc 2041
REMARKS <u>British American Oil Producing Company has an interest in this well.</u>			APP. TO PLUG _____
			PLUGGING REP. <u>x</u>
			COMP. REPORT <u>x</u>

WATER WELL ACCEPTED BY Hopi Tribe

BOND CO. Federal Insurance Company

BOND NO. 8005-58-04

DATE

BOND AMT. \$ 10,000

CANCELLED 8-9-66

DATE ORGANIZATION REPORT 5-3-65

FILING RECEIPT 9411

LOC. PLAT X

WELL BOOK x PLAT BOOK x

API NO. 02-017-05116

DATE ISSUED 4-26-65

DEDICATION W/2 SE/4

PERMIT NUMBER

CONFIDENTIAL

Release Date 7-18-66

(over)

NO.	FROM	TO	RESULTS
			SEE BACK OF COMPLETION REPORT

[illegible]

DATE STARTED - COMPLETED		WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

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WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☒

DESCRIPTION OF WELL AND LEASE

Operator The Atlantic Refining Company		Address Box 2197, Farmington, New Mexico	
Lease Name 14-20-0450-5145 (Hopi 9)		Well Number 1	Field & Reservoir Wilcoat
Location 660' FSL & 1980' FEL		Sec.—TWP-Range or Block & Survey Sec. 9, T28N, R-15E G & S.R.M.	
County Navajo	Permit number # 312	Date Issued 4-26-65	Previous permit number GR 5805
Date spudded 6/7/65	Date total depth reached 7/7/65	Date completed, ready to produce P & A	Elevation (DF, RCB, RT or Gr.) GR 5805 feet
Total depth 6640	P.B.T.D. 985' P&A	Single, dual or triple completion? P & A	Elevation of casing hd. flange - feet

Producing interval (s) for this completion -	Rotary tools used (interval) All	Cable tools used (interval) None
Was this well directionally drilled? No	Was directional survey made? No	Was copy of directional survey filed? -

Type of electrical or other logs run (check logs filed with the commission) I-ES, Density, GR-N, Microlog, Dipmeter, Sonic (all sent)	Date filed 7/30/65
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Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)						
Purpose Surface	Size hole drilled 17 1/4"	Size casing set 13 3/8"	Weight (lb./ft.) 48	Depth set 1034.50	Sacks cement 600	Amt. pulled None

TUBING RECORD				LINER RECORD			
Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
PERFORATION RECORD				ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD			
Number per ft.	Size & type	Depth Interval		Am't. & kind of material used		Depth Interval	

INITIAL PRODUCTION							
Date of first production		Producing method (Indicate if flowing, gas lift or pumping—If pumping, show size & type of pump:)					
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)	
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio	

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Drilling Production Supv. of the Atlantic Refining Co. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Permit # 312

August 4, 1965

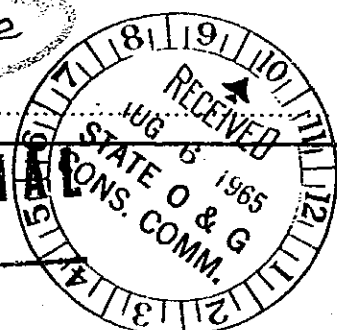
Date

B. J. Sartain

Signature

CONFIDENTIAL

Release Date 1-19-66



STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. P-7 File two copies

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator The Atlantic Refining Company
 2. OIL WELL ☐ GAS WELL ☐ OTHER ☐ (Specify) Wildcat - drilling
 3. Well Name Hopi 9 Well #1
 Location 660' FSL & 1980' FEL
 Sec. 9 Twp. 28N Rge. 15E County Navajo Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease 14-20-0450-5145

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>		ABANDONMENT <input type="checkbox"/>
(OTHER) <input type="checkbox"/>		(OTHER) <u>Report of DSTs</u>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

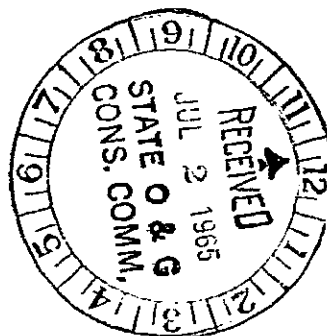
7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Ran DST #1 - open hole 4303-4360, 5/8" b.c., 3/8" t.c., no w.c. Tool open 160 mins. w/wk blow which increased to fair in 10 minutes and remained fairly constant thruout. Recovered 1700' water and 20' mud.

IHMP - 2138 psi	FSI - 1095 psi (1 hr)
ISIP - 1240 psi (1 hr)	FHMP - 2109 psi
IFP - 22 psi	
FFP - 749 psi	

Ran DST #2 - open hole 6055-6105, 5/8" b.c., 3/8" t.c., no w.c. Tool open 60 mins. w/very weak blow which died in 2 mins. Recovered 100' drilling mud.

IHMP - 3112 psi	FSI - 1016 psi (1 hr)
ISIP - 1163 psi (1 hr)	FHMP - 3098 psi
IFP - 40 psi	
FFP - 54 psi	



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8. I hereby certify that the foregoing is true and correct.

Signed

B. J. Stanton

Title Drilg. Prod. Supv. Date 7-1-65

CONFIDENTIAL

Permit No. 1-19-66

Form No. 25

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator The Atlantic Refining Company
 2. OIL WELL ☐ GAS WELL ☐ OTHER ☐ (Specify) Wildcat
 3. Well Name The Atlantic Refining Company, et al Hopi 9 #1
 Location 660' FSL & 1980' FEL
 Sec. 9 Twp. 28N Rge. 15E County Navajo, Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease 14-20-0450-5145 Hopi

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>		<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
			(OTHER) <u>Drill Stem Tests</u>		<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

7/2/65 Ran DST #3 - open hole 6250-6338, 3/4 b.c., 3/8 t.c., no w.c. Took 15 min. initial flow, 1 hr. ISI, 1 hr. flow, 1 hr. FSI. Had very weak blow which died in 10 mins. Recovered 125' drilling mud.

IHMP - 3138 psi IFP - 11 psi FSIP - 1710 psi
 ISIP - 2220 psi FFP - 34 psi FHMP - 3125 psi

7/4/65 Ran DST #4 - open hole 6418-6461, 3/4 b.c., 3/8 t.c., no w.c. Took 15 min. initial flow, 1 hr. ISI, 2 hr. flow, 1 hr. FSI. Had weak blow throughout. Recovered 90' muddy water and 510' black sulfur water. No show.

IHMP - 3340 psi IFP - 3 psi FSIP - 1949 psi
 ISIP - 2002 psi FFP - 268 psi FHMP - 3340 psi

7/6/65 Ran DST #5 - open hole 6473-6560, 3/4 b.c., 3/8 t.c., no w.c. Took 15 min. initial flow, 1 hr. ISI, 2 hr. flow, and 1 hr. FSI. Had initial weak blow which increased to good in 15 mins. and remained constant throughout. Rec. 30' drilling mud and 1066' brackish water. No show.

IHMP - 3340 psi IFP - 8 psi FSIP - 1922 psi
 ISIP - 2029 psi FFP - 509 psi FHMP - 3340 psi

C O N F I D E N T I A L

8. I hereby certify that the foregoing is true and correct.

Signed B. J. Sestain

Title Drilg. Prod. Supv. Date 7/7/65

C O N F I D E N T I A L

Release Date 1-19-66

Permit No. 312

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies

Form No. 25

0.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

[illegible]

1. 1990年12月25日，在“新加坡”号上，一名男子因患霍乱死亡。

I have been thinking about you a lot lately, and wondering how you are getting on.
 I hope you are well and happy. I am still working hard, but I do find time
 to think of my friends. Please write back soon. Love,
 John

2000年12月12日 星期一
 2000年12月13日 星期二
 2000年12月14日 星期三

1. The first part of the report is a general statement of the purpose of the study. This is followed by a brief review of the literature on the subject. The next part of the report is a description of the methods used in the study. This is followed by a presentation of the results of the study. The final part of the report is a discussion of the results and their implications.

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$	$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$	$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$	$\frac{1}{2} \times \frac{1}{5} = \frac{1}{10}$
$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$	$\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$	$\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$	$\frac{1}{3} \times \frac{1}{5} = \frac{1}{15}$
$\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$	$\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$	$\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$
$\frac{1}{5} \times \frac{1}{2} = \frac{1}{10}$	$\frac{1}{5} \times \frac{1}{3} = \frac{1}{15}$	$\frac{1}{5} \times \frac{1}{4} = \frac{1}{20}$	$\frac{1}{5} \times \frac{1}{5} = \frac{1}{25}$



9-20N-15E Navajo Co AZ

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
<u>Jurassic</u>			
Entrada	50	252	Sandstone
Carmel	252	295	Shale
<u>Triassic</u>			
Navajo	295	758	Sandstone
Kayenta	758	1090	Shale
Moenave-Wingate	1090	1543	Sandstone
Wingate-Chinle			
Transition	1543	1812	Shale
Chinle	1812	2853	Sandstone and shale
Shinarump	2853	2922	Conglomerate
Moenkopi	2922	3054	Shale
<u>Permian</u>			
Kaibab	3054	3088	Limestone
Toroweap	3088	3195	Shale
Cocconino	3195	4712	Sandstone
			DST 4303-60, T.O. 2 hrs & 40 min, Rec 1700' water + 20' mud, FP 251-749#, SIP 1240-1095# (60 min)
Supai	4712	5542	Sandstone and shale
<u>Pennsylvanian</u>			
Penn.?	5542	5805	Sandstone and shale
Molas	5805	5862	Shale
<u>Mississippian</u>			
Miss.	5862	6039	Limestone
<u>Devonian</u>			
Elbert	6039	6248	Dolomite
			DST 6050-6105, T.O. 1 hr, Rec 100' mud FP 8-10#, SIP 1173-1012# (60 min)
McCracken	6248	6277	Sandstone
			DST 6250-6338, T.O. 1 hr, Rec 125' mud FP 100-120#, SIP 2256-1749# (60 min)
Aneth	6277	6459	Dolomite
			DST 6418-61, T.O. 2 hrs, Rec 90' MGW + 510' BIK sulfur water, FP 108-268#, SIP 2002-1949# (60 min)
<u>Cambrian</u>			
Bright Angel	6459	6480	Sandstone and shale
Tapeats	6480	6608	Sandstone
			DST 6473-6560, T.O. 2 hrs, Rec 30' mud + 1066' brackish water, FP 8-509#, SIP 2029-1922 (60 min)
<u>Pre Cambrian</u>	6608	6640	T.D. Metamorphics

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

P & A Record

On 7/10/65 spotted following cement plugs thru open ended drillpipe

From 6550'	to 6400'	with 35	sz class "C" cement + 4% gel.
" 6100'	to 6000'	" 30	" " " " " "
" 5900'	to 5800'	" 50	" " " " " "
" 4750'	to 4650'	" 35	" " " " " "
" 3250'	to 3100'	" 40	" " " " " "
" 2900'	to 2800'	" 40	" " " " " "
" 1085'	to 985'	" 45	" " " " " "

Well left for use as water supply by Hopi Tribe. This plugging procedure was verbally approved by Mr. P.T. McGrath with the USGS on 7/9/65. A "Plugging Report" will be submitted after location is cleaned up.

4-20N-15E Navajo Co AZ

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
<u>Jurassic</u>			
Entrada	50	252	Sandstone
Carmel	252	295	Shale
<u>Triassic</u>			
Navajo	295	758	Sandstone
Kayenta	758	1090	Shale
Moenave-Wingate	1090	1543	Sandstone
Wingate-Chinle			
Transition	1543	1812	Shale
Chinle	1812	2853	Sandstone and shale
Shinarump	2853	2922	Conglomerate
Moenkopi	2922	3054	Shale
<u>Permian</u>			
Kaibab	3054	3088	Limestone
Toroweap	3088	3195	Shale
Coconino	3195	4712	Sandstone
			DST 4303-60, T.O. 2 hrs & 40 min, Rec 1700' water + 20' mud, FP 251-749#, SIP 1240-1095# (60 min)
Supai	4712	5542	Sandstone and shale
<u>Pennsylvanian</u>			
Penn.?	5542	5805	Sandstone and shale
Molas	5805	5862	Shale
<u>Mississippian</u>			
Miss.	5862	6039	Limestone
<u>Devonian</u>			
Elbert	6039	6248	Dolomite
			DST 6050-6105, T.O. 1 hr, Rec 100' mud FP 8-10#, SIP 1173-1012# (60 min)
McCracken	6248	6277	Sandstone
			DST 6250-6338, T.O. 1 hr, Rec 125' mud FP 100-120#, SIP 2256-1749# (60 min)
Aneth	6277	6459	Dolomite
			DST 6418-61, T.O. 2 hrs, Rec 90' MCW + 510' BIK sulfur water, FP 108-268#, SIP 2002-1949# (60 min)
<u>Cambrian</u>			
Bright Angel	6459	6480	Sandstone and shale
Tapeats	6480	6608	Sandstone
			DST 6473-6560, T.O. 2 hrs, Rec 30' mud + 1066' brackish water, FP 8-509#, SIP 2029-1922 (60 min)
<u>Pre Cambrian</u>	6608	6640	T.D. Metamorphics

P & A Record

On 7/10/65 spotted following cement plugs thru open ended drillpipe

From 6550' to 6400'	with 35	sx	class "C"	cement + 4% gel.
" 6100' to 6000'	" 30	"	"	"
" 5900' to 5800'	" 50	"	"	"
" 4750' to 4650'	" 35	"	"	"
" 3250' to 3100'	" 40	"	"	"
" 2900' to 2800'	" 40	"	"	"
" 1085' to 985'	" 45	"	"	"

Well left for use as water supply by Hopi Tribe. This plugging procedure was verbally approved by Mr. P.T. McGrath with the USGS on 7/9/65. A "Plugging Report" will be submitted after location is cleaned up.

ARIZONA
NAVAJO CO.
WILDCAT (W)



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Denver, Colorado
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Twp 28n-15e
Section 9
SW SE
660 n/s 1980 w/e

OPR: Atlantic Refining

WELL #: 1 Hopi-9

ELEV: 5820 KB

TOPS: Log-Sample

Entrada 50
Carmel 252
Navajo 295
Kayenta 758
Wingate 1090
Transition zone 1543
Chinle 1812
Shinarump 2853
Moenkopi 2922
Kaibab 3054
Toroweap 3088
Coconino 3195
Supai 4712**

DSTS. & CORES:

No cores. DST 4303-60, open
2 hrs, SI 1 hr, open 40 mins, SI
1 hr, rec 1700 wtr, 20 mud, FP
251-749#, SIP 1240-1095#. DST
6050-6105, SI 1 hr, open 1 hr, SI
1 hr, rec 100 mud, FP 8-10#,
SIP 1172-1012#. DST 6250-
6338, SI 1 hr, open 1 hr, SI 1 hr,
rec 125 mud, FP 100-120#, SIP
2256-1749#. DST 6418-61, SI
1 hr, open 2 hrs, SI 1 hr, rec 90
MCW, FP 108-268#, SIP 2002-
1949#. DST 6473-6560, SI 1 hr,
open 2 hrs, SI 1 hr, rec 30 mud,
FP 8-509#, SIP 2029-1922#.

SPUD: 6-7-65

TD: 6641

CSG: 13-3/8" @ 1034 w/650

PERF:

COMPL: 7-10-65

PB:

**Pennsylvanian 5542
Molas 5805
Mississippian 5862
Elbert 6039
McCracken 6248
Aneth 6277
Branch Aneth sh 6459
Tapeats 6480
preCambrian 6608

INIT PROD: D&A

(RE-ISSUED CARD) - Corr elev from 5805 Gr.

Contr: not reported

ARIZ3-669230

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NAVAJO CO.
WILDCAT (W)



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Twp 28n-15e
Section 9
SW SE
660 n/s 1980 w/e

OPR: Atlantic Refining

WELL #: 1 Hopi-9

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1 hr, rec 100 mud, FP 8-10#,
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6338, SI 1 hr, open 1 hr, SI 1 hr,
rec 125 mud, FP 100-120#, SIP
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1 hr, open 2 hrs, SI 1 hr, rec 90
MCW, FP 108-268#, SIP 2002-
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open 2 hrs, SI 1 hr, rec 30 mud,
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Molas 5805
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Elbert 6039
McCracken 6248
Aneth 6277
Branch Aneth sh 6459
Tapeats 6480
preCambrian 6608

INIT PROD: D&A

(RE-ISSUED CARD) - Corr elev from 5805 Gr.

Contr: not reported

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WILDCAT (W)



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Twp 28n-15e
Section 9
SW SE
660 n/s 1980 w/e

OPR: Atlantic Refining

WELL #: 1 Hopi-9

ELEV: 5820 KB

TOPS: Log Sample

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Carmel 252
Navajo 295
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Wingate 1090
Transition zone 1543
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Supai 4712**

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1 hr, rec 1700 wtr, 20 mud, FP
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6050-6105, SI 1 hr, open 1 hr, SI
1 hr, rec 100 mud, FP 8-10#,
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8338, SI 1 hr, open 1 hr, SI 1 hr,
rec 125 mud, FP 100-120#, SIP
2256-1749#. DST 6418-61, SI
1 hr, open 2 hrs, SI 1 hr, rec 90
MCW, FP 108-268#, SIP 2002-
1949#. DST 6473-6560, SI 1 hr,
open 2 hrs, SI 1 hr, rec 30 mud,
FP 8-509#, SIP 2029-1922#.

SPUD: 6-7-65 COMPL: 7-10-65

TD: 6641 PB:

CSG: 13-3/8" @ 1034 w/650

PERF:

**Pennsylvanian 5542
Molas 5805
Mississippian 5862
Elbert 6039
McCracken 6248
Aneth 6277
Branch Aneth sh 6459
Tapeats 6480
preCambrian 6608

INIT PROD: D&A

(RE-ISSUED CARD) - Corr elev from 5805 Gr.

Contr: not reported

ARIZ3-669230

312
ARIZONA
NAVAJO CO.
WILDCAT (W)



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Denver, Colorado
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Twp 28n-15e
Section 9
SW SE
660 n/s 1980 w/e

OPR: Atlantic Refining

WELL #: 1 Hopi-9

ELEV: 5820 KB

TOPS: 5805 GL
Log-sample

Entrada 50
Carmel 252
Navajo 295
Kayenta 758
Wingate 1090
Transition zone 1543
Chinle 1812
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1 hr, open 2 hrs, SI 1 hr, rec 90
MCW, FP 108-268#, SIP 2002-
1949#. DST 6473-6560, SI 1 hr,
open 2 hrs, SI 1 hr, rec 30 mud,
FP 8-509#, SIP 2029-1922#.

SPUD: 6-7-65

TD: 6641

CSG: 13-3/8" @ 1034 w/650

PERF:

COMPL: 7-2-65

PB: 7

**Pennsylvanian 5542
Molas 5805
Mississippian 5862
Elbert 6039
McCracken 6248
Aneth 6277
Branch Aneth sh 6459
Tapeats 6480
preCambrian 6608

INIT PROD: D&A

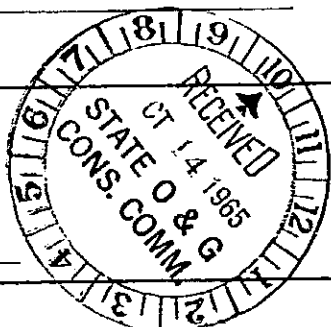
(RE-ISSUED CARD) - Corr elev from 5805 Gr.

Contr: not reported

ARIZ-669230

CONFIDENTIAL		PLUGGING RECORD			
Operator The Atlantic Refining Co.		Address Box 2197, Farmington, N. M.			
Federal, State, or Indian Lease Number, or lessor's name if fee lease. 14-20-0450-5145(Hopi 9)1		Well No. 1	Field & Reservoir Wildcat		
Location of Well 660' FSL & 1980' FEL		Sec-Twp-Rge or Block & Survey Sec.9, T-28N, R-15E, G & S.R.M.			
County Navajo					
Application to drill this well was filed in name of Atlantic Refining Co.	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry? Yes			
Date plugged: 7/10/65	Total depth 6640	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day)			
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement		
No Oil or Gas Bearing					
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
13 3/8	1034.50	None	1034.50	-	-
Was well filled with mud-laden fluid, according to regulations? Yes				Indicate deepest formation containing fresh water.	
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address		Direction from this well:	
Hopi Indian Tribe		Keams Canyon, Arizona		Surface owner	
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required. See reverse					
Location was levelled and pits filled on October 5, 1965.					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Drilling Production Supv of the Atlantic Refining Co. (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.					
Date 10/13/65		Signature B. J. Sartin			
Release Date		Form No. 10			
Permit No. 312		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy			

CONFIDENTIAL



P & A Record

On 7/10/65 spotted following cement plugs thru open ended drillpipe

From 6550'	to 6400'	with 35	sx	class "C"	cement + 4% gel.
" 6100'	to 6000'	" 30	"	"	"
" 5900'	to 5800'	" 50	"	"	"
" 4750'	to 4650'	" 35	"	"	"
" 3250'	to 3100'	" 40	"	"	"
" 2900'	to 2800'	" 40	"	"	"
" 1085'	to 985'	" 45	"	"	"

Intervals between cement plugs filled with 9.5#/gal. mud. Put in dry hole marker. Well left for use as water supply by Hopi Tribe. This plugging procedure was verbally approved by Mr. P.T. McGrath with the USGS on 7/9/65.

The water Well Acceptance Form (Form No.26) was mailed to your office by Mr. Clyde W. Pensoneau, Superintendent Hopi Indian Agency, on or about July 19, 1965.

To: The State of Arizona
Oil and Gas Conservation Commission
1624 West Adams, Room 202
Phoenix, Arizona 85007

This is to advise you that I accept the abandoned wildcat well, known as the Atlantic Refining Company et al Hopi 9 #1

located on the SE SW 1/4-1/4 of Section 9,

Township 28N, Range 15E, County of Navajo,
Arizona, as a water well to be used for domestic purposes.

Further, I accept full responsibility for the proper maintenance and use of the above well in full compliance with the applicable provisions of Arizona Revised Statutes, and with the Rules and Regulations adopted by the Oil and Gas Conservation Commission. I understand that I am now responsible for the final plugging of this well.

Signature Clyde W. Pensoneau

Street Hopi Indian Agency
Keams Canyon, Arizona 86031

City and State _____

State of Arizona

County of Navajo

On this, the 19th day of July, 19 65, before me, _____

Ruby J. New, the undersigned officer, personally appeared

Clyde W. Pensoneau, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public Ruby J. New

My Commission expires May 23, 1969

PERMIT NO. 312

State of Arizona
Oil & Gas Conservation Commission
WATER WELL ACCEPTANCE FORM
Form No. 26 File one copy

July 9, 1965

Mr. B.J. Sartain, Drilling Production Supervisor
Atlantic Refining Co. #9-1 Hopi well
Permit 312

Telephoned:

While they are still logging, it is expected that this well
will be plugged.

Mr. Phil McGrath, USGS, has directed that plugs be placed
as follows:

6400-6550
6000-6100
58-5900
4650-4750
3100-3250
2800-2900

and a 100' plug in the 13-3/8" surface casing, 50' inside the
casing and 50' outside. Casing set to 1034.5 feet.
USGS wants this plug in this manner because the Hopis want
to convert to a water well later.

Marker will be bolted on to surface pipe to facilitate re-entry
by Hopis

Necessary report forms mailed to Mr. Sartain this date.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Wildcat	5. LEASE DESIGNATION AND SERIAL NO. 14-20-0450-5145
2. NAME OF OPERATOR The Atlantic Refining Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Hopi
3. ADDRESS OF OPERATOR Box 2197 Farmington, New Mexico	7. UNIT AGREEMENT NAME Hopi 9
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL & 1980' FEL (8W 8E) Section 9	8. FARM OR LEASE NAME Hopi 9
	9. WELL NO. 1
	10. FIELD AND POOL, OR WILDCAT Wildcat
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T2EN, R15E
14. PERMIT NO.	12. COUNTY OR PARISH 13. STATE Navajo Arizona
15. ELEVATIONS (Show whether DF, RT, CR, etc.) GR 5805, NKB 5819'	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

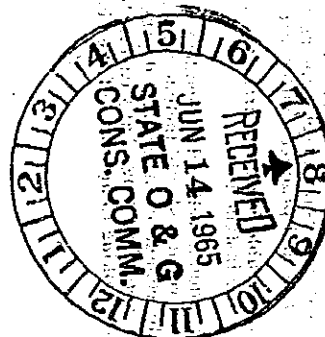
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Spud and Casing <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Spudded at 1:30 am 6/7/65. Drilled 17 1/2" hole to 1040'. Ran 34 jts 13 3/8" O.D. 48#, H-40, ST & C casing w/guide shoe and float collar (1018.15') set at 1034.50'. Cemented w/400 mx class "c" cement + 4% gel and 1/2 Jelflake per sk. and 2% CaCl, followed by 200 sacks class "c" cement + 2% CaCl. Plug down at 5:45 am 6/9/65. Cement circulated.

W.O.C. and nipped up B.O.P. Tested casing w/900 psi for 30 min. O.K. Started drilling at 1:00 am 6/11/65 after 43 hrs.

CONFIDENTIAL



18. I hereby certify that the foregoing is true and correct

SIGNED

B. J. Bastian

TITLE **Dir. & Prod. Supv.**

DATE **6/11/65**

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

CONFIDENTIAL

*See Instructions on Reverse Side

312

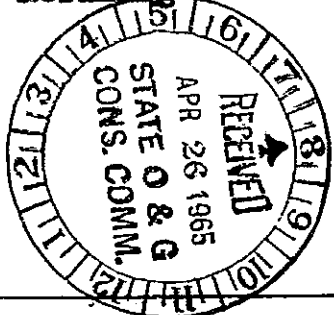
Release Date **10/9-66**

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form, and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; and or other material placed below, between and above plugs; amount, size, method of, parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and data well site conditioned for final inspection looking to approval of the abandonment.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER			
APPLICATION TO DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RE-ENTER OLD WELL <input type="checkbox"/>			
NAME OF COMPANY OR OPERATOR		DATE	
The Atlantic Refining Company		4/23/65	
Address	City	State	
P.O. Box 2197	Farmington	New Mexico	
DESCRIPTION OF WELL AND LEASE			
Federal, State or Indian Lease Number or name of lessor, if fee lease	Well number	Elevation (ground)	
14-20-0450-5145 Hopi 9	1	5805'	
Well location and acreage dedicated to the well (give footage from section lines)		Section—township—range or block & survey	
660' FSL & 1980' FEL (80 acres)		9 28N 15E	
Field & reservoir (If wildcat, so state)	County		
Wildcat	Navajo		
Distance, in miles, and direction from nearest town or post office			
10 miles southwest of Oraibi, Arizona			
Nearest distance from proposed location to property or lease line:		Distance from proposed location to nearest drilling, completed or applied—for well on the same lease:	
660 feet		None feet	
Proposed depth:	Rotary or cable tools	Approx. date work will start	
7000'	Rotary	5/15/65	
Number of acres in lease:		Number of wells on lease, including this well, completed in or drilling to this reservoir:	
1280 acres		None	
If lease, purchased with one or more wells drilled, from whom purchased:			
Not applicable			
Status and amount of bond	Organization Report On file Or attached	Filing Fee of \$25.00 Attached	
Blanket - \$10,000	See note		Attached
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)			
Note: Organization report to be filed by the Atlantic Refining Company's Roswell office about 4/26/65.			
			
*Fill in Proposed Casing Program on reverse side			
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Drilling Production Supv.</u> of the <u>Atlantic Refining Company</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.			
<u>B. J. Sartin</u> Signature			
<u>April 23, 1965</u> Date			
Permit Number: <u>312</u>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION		
Approval Date: <u>Apr 26, 1965</u>	Application to Drill, Deepen or Plug Back and Plat		
Approved By: <u>John Bonnist</u>	File Two Copies		
Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided. See Instruction on Reverse Side of Form			
Form No. 3			

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO X
5. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES X NO _____ If answer is "yes," Type of Consolidation Joint Operating Agreement
Designation of Operator filed w/U.S.G.S. - Farmington, N.M.
6. If the answer to question two is "no," list all the owners and their respective interests below:

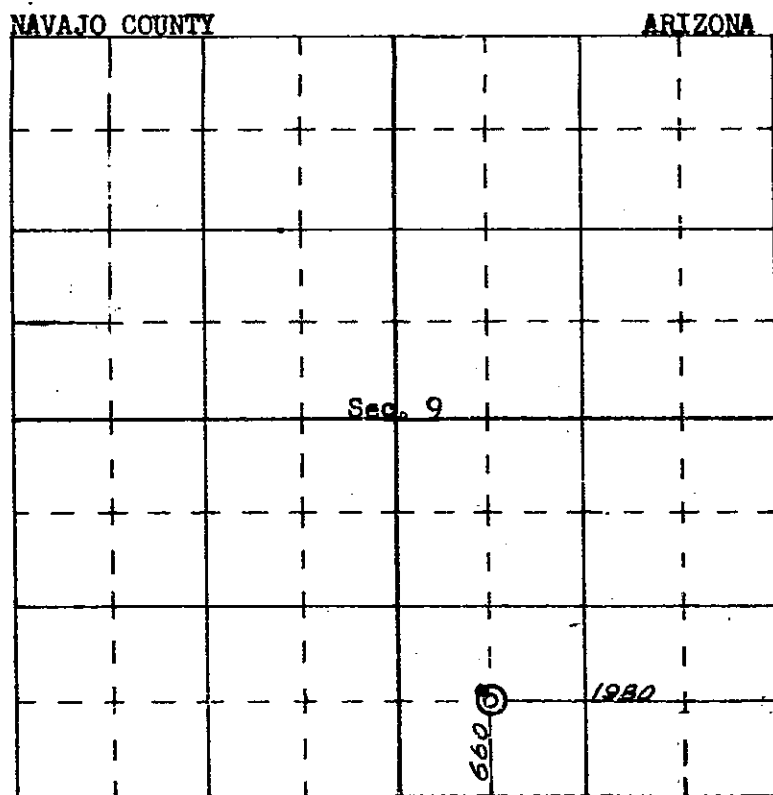
Owner British American Oil Producing Co.	Land Description Sections 9 and 10 T-28N
The Atlantic Refining Company	R-15E Navajo County, Arizona

	<p align="center">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p>
	Name
	Position Drlg. Prod. Supv.
	Company Atlantic Refining Co.
	Date 4/23/65
	<p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p>
	Date Surveyed 4/13/65
	Registered Professional Engineer and/or Land Surveyor
	See attached
	Certificate No. 1849

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
13 3/80.D.	48#	H-40 New	Surf.	900'	Circ. 900' to surface	900 sacks
		8R				
5 1/2" O.D.	15.5#	J-55 New	Surf.	T.D.	To be determined all oil or water producing zones	Est. 600 sacks
		8R				

COMPANY THE ATLANTIC REFINING COMPANY
THE ATLANTIC REFINING
LEASE COMPANY, ET AL. Hopi? WELL NO. 1
SEC. 9 T. 28 NORTH R. 15 EAST, G. & S.R.M.
LOCATION 660 FEET FROM THE SOUTH LINE AND 1980
FEET FROM THE EAST LINE
ELEVATION 5805.

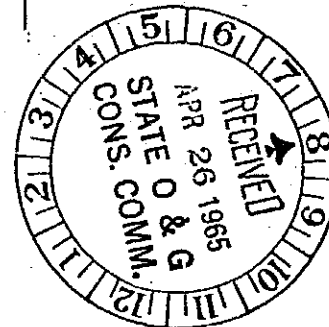


SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

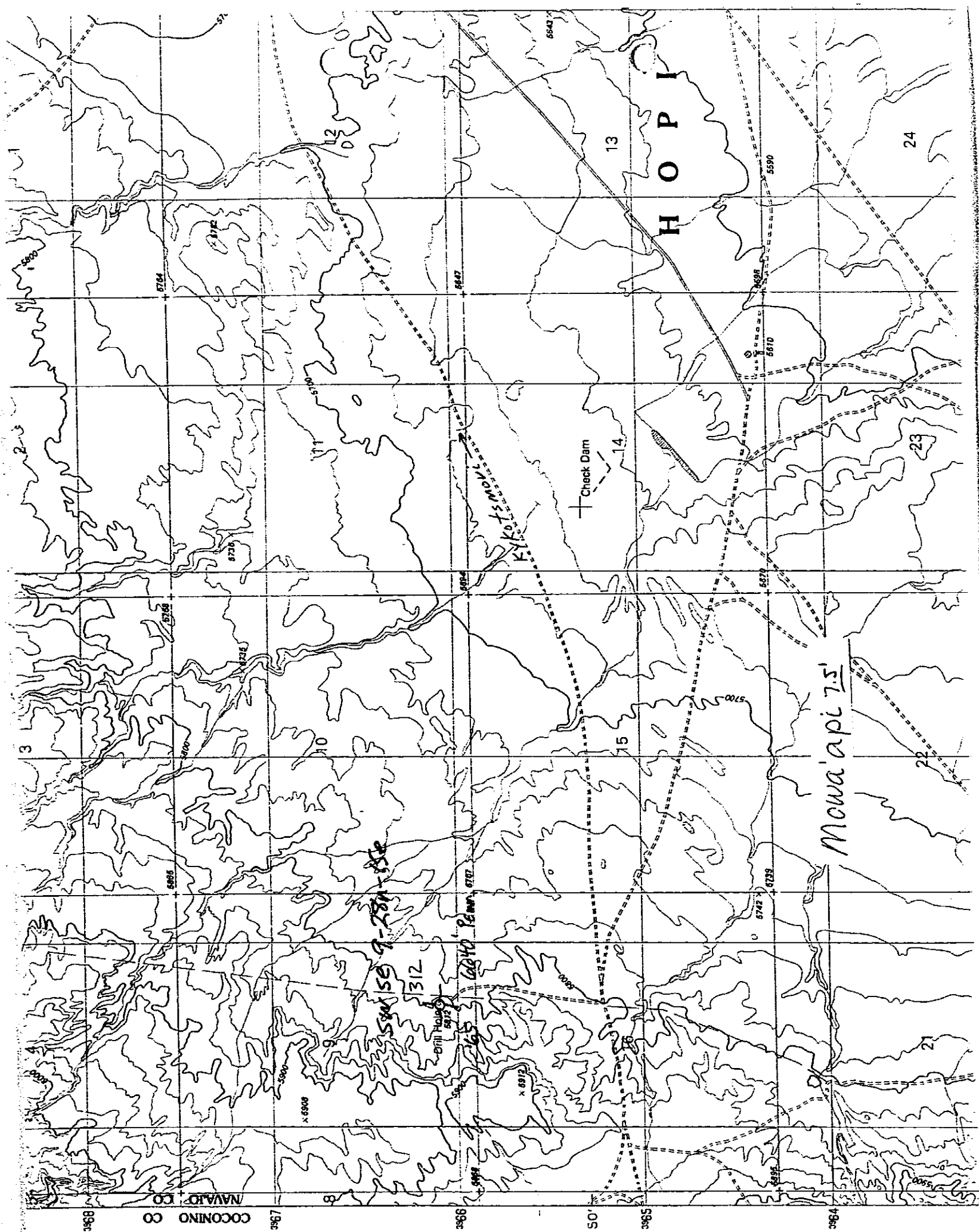


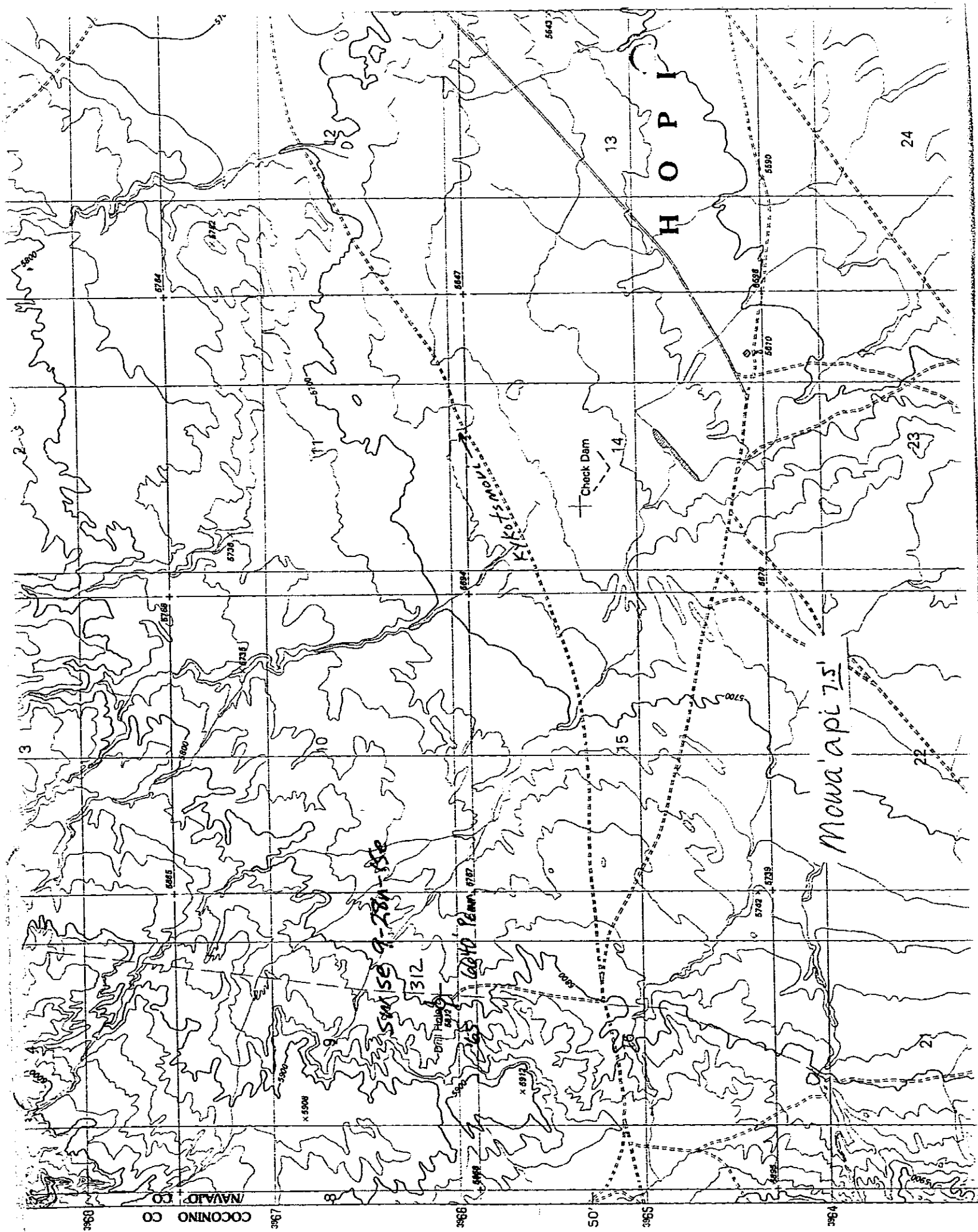
James P. Lease
Registered Land Surveyor.
James P. Lease, Arizona Reg. No. 1849
San Juan Engineering Company



SURVEYED April 13, 1965

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.





ARCO Exploration
Production Technology
2300 West Plano Parkway
Plano, TX 75075-8499

July 6, 1992

Larry D. Fellows
Director and State Geologist
Arizona Geological Survey
845 North Park Ave., #100
Tucson, Arizona 85719

*file copy in each
well file set file P/W 312*

Dear Mr. Fellows,

Following the agreement set forth in the Arizona Geological Survey sample policy I am forwarding (1) the results of Rock-Eval analysis Aneth Shale cuttings samples from eight wells in the Black Mesa basin and (2) vitrinite reflectance data collected for the Amerada Hopi #1 well. We waive the rights to the six month confidentiality period.

Thank you for your cooperation.

Sincerely,

Jeff Corrigan

Jeff Corrigan

cc: Steve Rauzi

SAMPLE No.	R.O. ANAL.	No. of READING	CONF.	U.V.	COMMENTS
92R1481	N.D.P.	—	—	Y/O-L.O. CARB.	10% SST.; 50% LST.; 40% RED SHALE
92R1482	N.D.P.	—	—	Y/O CARB.	MARLY LST. HAEM. SPERKS
92R1483	N.D.P.	—	—	Y/O CARB.	90% MARLY LST. 10% RED SHALE
92R1484	N.D.P.	—	—	Y/O CARB.	MARLY LST. HAEMATITE TENDERS
92R1485	N.D.P.	—	—	Y/O CARB.	LST. HAEMATITE TENDERS
92R1486	N.D.P.	—	—	Y/O CARB.	SHALY LST. HAEM. TR. GLAUCONITE

SOREY. I CAN'T REALLY DO ANYTHING WITH THIS LOT. THE FIRST FEW SAMPLES ARE O.K. BUT WHEN WE GET INTO THE RED BED THE PHYTOLOGISTS DISAPPEAR. EVEN WHEN THE HAEMATITE DECREASES IN THE FINAL FEW SAMPLES, THE SUCCESSION IS ALMOST WHOLLY LIMESTONE WHICH IS BARELY.

ANOTHER APOLOGY FOR THE HANDWRITING BUT THE SECRETARY IS ON HOLIDAY TODAY. I WILL COMPENSATE THE DATA, FOR WHAT IS WORTH, LATER THIS WEEK.

BEST WISHES

NICK JONES.

ARCO OIL & GAS CO.

PLANO

TEXAS

U.S.A.

Fax No. 010 1 214 754 6807

VITRINITE REFLECTANCE DETERMINATIONS SERIES 92R 1462 - 1486
ATTN. CHARLIE LANDIS ✓

SAMPLE No.	R.O. AVE.	No. of READINGS	CONF.	U.V.	COMMENTS
92R1462	0.39	20	C	Y-Y/O SPORES	—
92R1463	0.43	4	C	Y SPORES	PHYT. DEGRADED
92R1464	0.43	10	C	Y SPORES	PHYT. V. DEGRADED
92R1465	N.D.P.	—	—	—	RED SILTY SST. HAEMATITIC
92R1466	N.D.P.	—	—	—	RED SANDY SILT.
92R1467	N.D.P.	—	—	—	RED SILT.
92R1468	N.D.P.	—	—	—	RED MARL
92R1469	N.D.P.	—	—	—	Mxd. LIME. HAEMATITIC
92R1470	N.D.P.	—	—	—	10% SST. 90% SH. HAEMATITIC
92R1471	N.D.P.	N.D.P.	—	Y-Y/O CARB.	20% HAEMATITIC CRGS.
92R1472	N.D.P.	—	—	—	RED SST.
92R1473	N.D.P.	—	—	—	RED SILTY SST.
92R1474	N.D.P.	—	—	Y/O CARB.	HAEMATITIC
92R1475	N.D.P.	—	—	Y/O CARB.	70% HAEMATITIC MARL
92R1476	N.D.P.	—	—	—	50% LST. HAEMATITIC
92R1477	N.D.P.	—	—	Y/O CARB.	70% LST. + 30% RED SHALE
92R1478	N.D.P.	—	—	Y/O CARB.	70% LST.; 30% RED SHALE
92R1479	N.D.P.	—	—	L.O. CARB.	10% LST.; 90% RED SILTY SHALE
92R1480	N.D.P.	—	—	Y/O CARB.	30% MARLY LST. 70% RED SHALE

Table 1. Rock-Eval data for Aneth Shale from sampled Black Mesa cuttings.

Sample ID	Depth Interval (ft)	TOC (weight %)	S1 (mg/g rock)	S2 (mg/g rock)	HI (mg HC/g TOC)	OI (mg CO ₂ /g TOC)
Amerada Hopi 1 (310)						
92R1477	7350-7370	0.08	0.07	0.10	125	362
92R1478	7370-7390	0.09	0.06	0.07	78	378
92R1479	7390-7410	0.07	0.04	0.01	14	514
92R1480	7410-7430	0.10	0.08	0.06	60	360
92R1481	7430-7450	0.11	0.10	0.04	36	327
92R1482	7450-7470	0.16	0.10	0.07	44	213
92R1483	7470-7490	0.13	0.06	0.02	15	246
92R1484	7490-7510	0.16	0.06	0.01	6	144
92R1485	7510-7540	0.11	0.06	0.02	18	318
92R1486	7540-7560	0.26	0.13	0.41	158	135
Cactus Navajo 8515 (325)						
92R1487	5540-5560	0.09	0.09	0.12	133	289
92R1488	5560-5580	0.04	0.11	0.03	72	563
92R1489	5580-5600	0.06	0.10	0.08	133	550
Cactus Navajo 8816 (345)						
92R1490	5540-5560	0.08	0.06	0.00	0	313
92R1491	5560-5580	0.08	0.05	0.01	13	362
92R1492	5580-5600	0.09	0.06	0.04	44	289
92R1493	5600-5620	0.07	0.05	0.02	29	429
Cactus Navajo -C2 (365)						
92R1494	4460-4480	0.08	0.06	0.04	50	425
92R1495	4480-4500	0.07	0.07	0.04	55	378
Tenneco 1 Navajo (283)						
92R1496	6870-6890	0.05	0.06	0.03	58	725
92R1497	6890-6910	0.07	0.09	0.09	123	434
92R1498	6910-6930	0.06	0.06	0.03	48	473
92R1499	6930-6950	0.08	0.06	0.04	51	464
92R1500	6950-6970	0.15	0.09	0.13	89	217
92R1501	6970-6990	0.19	0.09	0.16	85	218
92R1502	6990-7010	0.21	0.12	0.30	144	132
92R1503	7010-7030	0.32	0.17	0.64	202	88
92R1504	7030-7050	0.15	0.08	0.09	62	287
ARCO Hopi 9-1 (312)						
92R1505	6280-6300	0.11	0.14	0.18	173	323
92R1506	6300-6320	0.14	0.12	0.09	66	203
92R1507	6320-6340	0.08	0.07	0.01	12	306
92R1508	6340-6360	0.04	0.05	0.03	72	808
92R1509	6360-6380	0.13	0.08	0.01	8	220
92R1510	6380-6400	0.14	0.10	0.02	15	226
92R1511	6400-6420	0.13	0.07	0.07	56	277
92R1512	6420-6440	1.14	0.35	3.06	269	26
92R1513	6440-6460	0.31	0.15	0.59	192	115
92R1514	6460-6480	0.28	0.19	0.56	195	105
Moore, Moore & Miller (321)						
92R1515	6540-6560	0.16	0.08	0.14	90	215
92R1516	6560-6580	0.08	0.04	0.02	24	331
92R1517	6580-6600	0.08	0.06	0.04	48	380
92R1518	6600-6640	0.11	0.07	0.03	29	323
92R1519	6640-6660	0.17	0.07	0.03	18	178
92R1520	6660-6700	0.21	0.06	0.14	67	93
92R1521	6700-6710	0.21	0.09	0.42	202	98
92R1522	6710-6730	0.26	0.08	0.39	150	223
Tenneco 1-A Hopi (307)						
92R1523	5650-5670	0.05	0.14	0.08	154	705
92R1524	5670-5690	0.09	0.09	0.05	53	348
92R1525	5690-5710	0.09	0.08	0.05	53	316
92R1526	5710-5730	0.13	0.15	0.09	72	237
92R1527	5730-5750	0.13	0.07	0.06	48	204

BOND MAY NOT
BE WRITTEN
THIS COMMISSION.

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 8027-49-31

That we: The Atlantic Refining Company
of the Dallas County in the Texas State of:
as principal, Federal Insurance Company
and
of 90 John Street, New York, New York,
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.
The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of Twenty-Five Thousand and No/100 Dollars - - - - - (\$25,000.00) - - - - -

Witness our hands and seals, this 1st day of October, 1965.

ATTEST:

Mary C. Drayer
Assistant Secretary

THE ATLANTIC REFINING COMPANY

By Boone Macaulay
Principal
Boone Macaulay, Assistant Vice President

Witness our hands and seals, this 1st day of October, 1965.

Countersigned by:

E. J. O'Leary

FEDERAL INSURANCE COMPANY

M. Kenneth Mahoney
Surety
M. Kenneth Mahoney - Attorney-in-Fact

Notwithstanding to corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.

Approved
Date 10-27-65
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: John J. Gannister

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. 2

Permit No. #146 And #312

September 19, 1966

Federal Insurance Company
Chubb & Son Inc., Manager
Mercantile Securities Building
Dallas, Texas 75201

Attention: Mr. Jerry M. Cox

Re: Federal Insurance Company Bond 8027-49-31
The Atlantic Refining Company, Principal

Gentlemen:

In reply to your letter of September 16, 1966, captioned
bond was released by this Commission as of August 9, 1966.
You therefore no longer have any liability to this Commis-
sion under this bond.

Very truly yours,

John Bannister
Executive Secretary
mr

312

Telephone: Riverside 2-1611

FEDERAL INSURANCE COMPANY

CHUBB & SON INC., Manager



Mercantile Securities Building, Dallas, Texas 75201

SOUTHWESTERN OFFICE

September 16, 1966

Oil and Gas Conservation Commission
Room 202, 1624 West Adams
Phoenix, Arizona 85007

Re: Federal Insurance Company Bond No. 8027-49-31
Atlantic Richfield Company - Blanket Oil Well
Drilling, Casing and Plugging Bond -to-
State of Arizona - Effective: October 1, 1965

Gentlemen:

By his letter of August 8, 1966, Mr. V. A. Waldrep of Atlantic Richfield Company advised you that this bond was no longer required, as there is no production in Arizona, and oil wells drilled by Atlantic have been plugged.

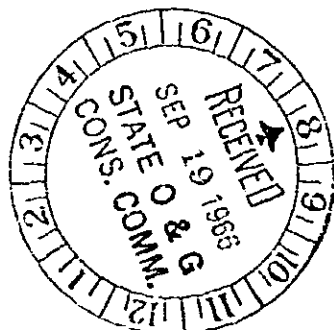
This being the case, will you please confirm that our liability is terminated as of October 1, 1966.

Thank you for your assistance.

Yours very truly,

Jerry M. Cox
Jerry M. Cox

JMC:jw



312



Atlantic Richfield Company, formerly
THE ATLANTIC REFINING COMPANY
INCORPORATED - 1870
PETROLEUM PRODUCTS
ATLANTIC BUILDING
DALLAS, TEXAS
August 8, 1966

NORTH AMERICAN PRODUCING GROUP
W. J. WESTERLAGE, ACCOUNTING MANAGER

MAILING ADDRESS
P. O. BOX 2819
DALLAS, TEXAS 75221

Oil and Gas Conservation Commission
Room 202, 1624 West Adams
Phoenix, Arizona, 85007

Re: Federal Insurance Company
Bond No. 8027-49-31
Atlantic Richfield Company (AR Bond
123)
(Formerly: The Atlantic Refg. Co.)

Gentlemen:

This is to advise that we no longer require subject bond. By letter dated August 4, 1966 from Mr. Fred N. Millsap of our Roswell Land Department, we have been advised that Atlantic Richfield has no production in Arizona and that all wells drilled by Atlantic have been plugged. A copy of said letter is attached for your reference.

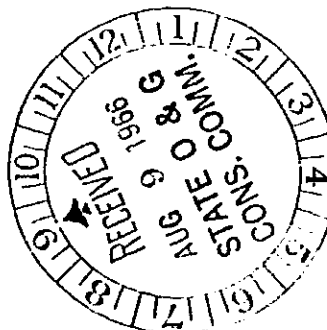
Please accept this letter as a cancellation of subject bond and advise us and our insurer of your approval.

Yours very truly,

V. A. Waldrep
V. A. Waldrep, Supervisor
Payments Unit

cc: Maxson-Mahoney-Turner
3601 Cedar Springs
Dallas, Texas 75216

CW:em



INTERNAL CORRESPONDENCE

To: Mrs. Cathy Wright - Dallas

From: Fred H. Millard, Jr. - Richmond

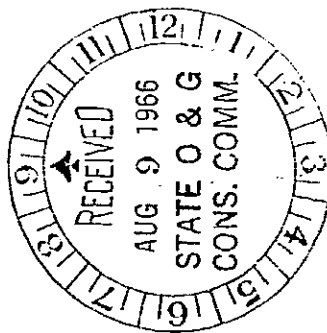
Subject: Contract AR-Bond 123

Date: August 4, 1966

Our drilling and production department advises that we no longer need subject bond. We have no production in Arizona and all wells drilled by Atlantic have been plugged.

Fred H. Millard, Jr.

FHM/dlm



3/2

October 27, 1965

The Atlantic Refining Company
P.O. Box 2619
Dallas, Texas 75221

Attention: Mr. D.P. Sutherland

Re: Federal Insurance Company
Statewide blanket bond 8027 49 31

Gentlemen:

Attached is copy of captioned bond which has been approved
by this Commission as of this date.

Since this bond is now in full force and effect, this let-
ter will constitute authority from this Commission to
terminate Federal Insurance Company Bond 9005-33-0A effec-
tive on this date.

Your cooperation is very much appreciated.

Yours very truly,

John Bennett
Executive Secretary
nr

cc: Haxson-Habon-Turner
3601 Cedar Springs
Dallas, Texas 75219

312

August 9, 1966

The Atlantic Refining Co.
P.O. Box 2819
Dallas, Texas 75221
Attn: Mr. V.A. Waldrep

Re: Federal Insurance Company
Bond No. 8027-48-31
Atlantic Richfield Company (AR Bond 123)
(Formerly: The Atlantic Refg. Co.)

#312 Re: Atlantic Refining #9-1 Hopi
Section 9 T28N R15E
Apache Co., Ariz.

✓ #146 Re: Atlantic Refining # 7-1 Navajo
Section 7 T40N R29E
Apache Co., Ariz.

Gentlemen:

This will acknowledge your letter of August 8 concerning the captioned bond. Please be advised that this letter constitutes the authority of this Commission that said bond may be cancelled as of August 9, 1966.

In reviewing our files, we note as to the Atlantic # 7-1 Navajo (located in Section 7 T40N R29E, Apache County) that we have not received copies of the various electric logs which your company ran on this well. Would you please furnish us copies of these logs at your earliest convenience?

Yours very truly,

John Bannister
Executive Secretary

cc: Federal Insurance Company
90 John Street
New York, New York

JB:js

C
O
P
Y

312

ATLANTIC

THE ATLANTIC REFINING COMPANY
INCORPORATED - 1970
PETROLEUM PRODUCTS

July 30, 1965

NORTH AMERICAN PRODUCING DEPARTMENT
NEW MEXICO - ARIZONA DISTRICT
S. L. SMITH, DISTRICT MANAGER
JACK SIARD, DISTRICT LANDMAN
E. R. DOUGLAS, DISTRICT GEOLOGIST
A. D. KLOXIN, DISTRICT DRLO. & PROD. SUP'T.
W. D. ROBERTS, DISTRICT GEOPHYSICIST
W. P. TOMLINSON, DISTRICT ENGINEER
B. R. WARE, DISTRICT ADMINISTRATIVE SUP'V.

SECURITY NATIONAL BANK BLDG.
MAILING ADDRESS
P. O. BOX 1978
ROSWELL, NEW MEXICO

Oil & Gas Conservation Commission
State of Arizona
1624 West Adams
Phoenix, Arizona

Gentlemen:

We are enclosing two copies of all electric logs run on
our Hopi 9 Well No. 1, Navajo County, Arizona.

Yours very truly,

THE ATLANTIC REFINING COMPANY

A. D. Kloxin
A. D. Kloxin

ADK/mea

Enclosures

312



UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF INDIAN AFFAIRS
Hopi Indian Agency
Keams Canyon, Arizona 86034

IN REPLY REFER TO:

July 19, 1965

State Of Arizona
Oil & Gas Conservation Commission
1624 West Adams, Room 202
Phoenix, Arizona 85007

Dear Sir:

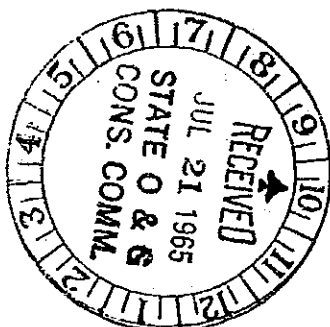
We are sending your two copies of water well acceptance Form #26 fully executed as required.

We are forwarding one copy each to the Atlantic Refining Company and the Regional Oil & Gas Supervisor, Roswell, New Mexico. We are also retaining one copy for our files.

Sincerely,

Clyde W. Pensoneau
Clyde W. Pensoneau
Superintendent

Enclosures



312

*Jim
Complete well
info*

ATLANTIC

THE ATLANTIC REFINING COMPANY
INCORPORATED - 1870
PETROLEUM PRODUCTS

July 14, 1965

NORTH AMERICAN PRODUCING DEPARTMENT
NEW MEXICO - ARIZONA DISTRICT
S. L. SMITH, DISTRICT MANAGER
JACK BIARD, DISTRICT LANDMAN
E. R. DOUGLAS, DISTRICT GEOLOGIST
A. D. KLOXIN, DISTRICT DRG. & PROD. SUP'T.
M. D. ROBERTS, DISTRICT GEOPHYSICIST
W. P. TOMLINSON, DISTRICT ENGINEER
B. R. WARE, DISTRICT ADMINISTRATIVE SUP'V.

SECURITY NATIONAL BANK BLDG.
MAILING ADDRESS
P. O. BOX 1978
ROSWELL, NEW MEXICO

Mr. J. R. Scurlock
Oil & Gas Conservation Commission
Room 202, 1624 West Adams
Phoenix, Arizona

Dear Sir:

We are sending geological samples from our Hopi 9 No. 1 in Navajo County, Arizona. These samples are from the surface to TD 6640.

We would like you to sign and return the carbon copy of this letter to acknowledge receiving the samples.

Thank you.

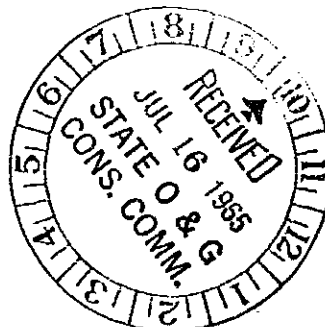
Very truly yours,

Everett R. Sharp
Everett R. Sharp *ka*
for
E. R. Douglas

I have received the samples
from the Atlantic Hopi 9 No. 1
from surface to T.D.

J. Scurlock
Date: 7-21-65

*sent copy
7-21-65*



ATLANTIC

THE ATLANTIC REFINING COMPANY
INCORPORATED - 1870
PETROLEUM PRODUCTS

June 11, 1965

DOMESTIC PRODUCING DEPARTMENT

MAILING ADDRESS:
P. O. BOX 2197
FARMINGTON, NEW MEXICO
87401

The Oil and Gas Conservation
Commission of The State of Arizona
Attn: Mr. John Bannister
Room 202
1624 West Adams
Phoenix, Arizona 85007

Dear Sir:

Two copies of the U.S.G.S. Sundry Notice form for our Hopi 9 #1 well (Sec. 9, T28N, R15E, Navajo County) are attached. If these are not acceptable, will you please send a supply of Arizona Sundry Notice forms to the above address? ✓

We propose to drill this well as a "tight hole" and request that all information on the well be kept confidential for the maximum time permissible.

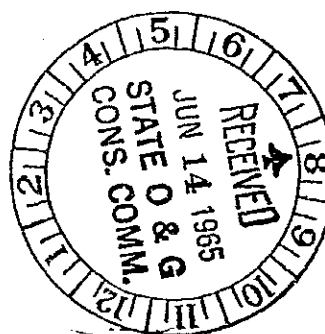
Yours very truly,

B. J. Sartain
B. J. Sartain

BJS:vas

CONFIDENTIAL

Release Date _____



June 7, 1965

The Atlantic Refining Company
P. O. Box 2197
Farmington, New Mexico

Re: Atlantic Refining #9-1 Hopi, SW/-Se/4 9-T28N-R15E,
Navajo County, Arizona

Gentlemen:

Your Application for Permit to Drill stated work would
start on captioned well approximately May 15, 1965.

As we advised you in our letter of 4-26-65, Sundry Reports
should be submitted to keep this Commission currently informed
as to the status of well.

Will you please send us a Sundry report showing the current
status of this well.

Your earliest cooperation is very much appreciated.

Yours very truly,

John Bannister
Executive Secretary
cb

312

May 5, 1965

The British-American Oil Producing Company
P.O. Box 749
Dallas 21, Texas

Attention: Mr. E.E. McCurtain
Drilling Unit and Proration Supervisor

Gentlemen:

We are enclosing our answer to your inquiry of May 3 concerning special field rules and regulations in the Hopi Indian Reservation.

As shown, no special field rules have been established. As you are aware, spacing requirements in the State of Arizona are 80 acres for an oil well and 640 acres for a gas well.

For your further information, we are enclosing a copy of our Rules and Regulations. Should you need anything further, please advise.

Yours very truly,

John Bannister
Executive Secretary

mr
enc

312

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

PRODUCTION AND ENGINEERING DEPARTMENT

VICE PRESIDENT - W. E. SCHOENECK

OPERATIONS - F. A. NORRIS

ENGINEERING - G. M. STEARNS

OIL & GAS SALES & PURCHASES - D. W. CONAWAY

JOINT INTERESTS - E. L. TAYLOR

CLERICAL - J. C. PULLIAM

MERCANTILE DALLAS BUILDING

DALLAS 21, TEXAS

May 3, 1965

ADDRESS ALL CORRESPONDENCE TO
POST OFFICE BOX 748

Oil and Gas Conservation Commission
1628 West Adams Street
Phoenix, Arizona

Attention: Mr. John Bannister, Executive Secretary

RE: Zone of Interest -- 7600' Pre-Cambrian
Location ----- Section 9-28N-15E
Field or Area ----- Padilla Mesa
County ----- Navajo

Gentlemen:

Please forward to the attention of the writer one copy of each Commission order establishing, or pertaining to, field rules or regulations applicable to the subject field.

If special field rules in an adjacent area are applicable, please advise of pertinent data regarding spacing, allowable production, etc.

Very truly yours,

John Bannister
Drilling Unit and
Proration Supervisor

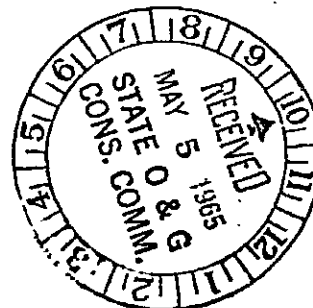
EEM:fa

cc: B-A District Office

Special field rules ~~(DO NOT)~~ exist. Copy of Order ~~(IS NOT)~~ attached.

Special field rules in an adjacent field ~~(HAVE NOT)~~ been established for zones comparable to the above and copies of Orders ~~(ARE NOT)~~ attached.

John Bannister
CONSERVATION COMMISSION



3/2

April 26, 1965

The Atlantic Refining Company
P.O. Box 2197
Farmington, New Mexico 87401

Attention: Mr. B.J. Sartain, Drilling & Production Supervisor

Re: Atlantic Refining #9-1 Hopi well
SW/4SE/4 39-T28N-R15E, Navajo County, Arizona
Permit 312

Gentlemen:

Enclosed is approved copy of your Application for Permit to Drill captioned well and Receipt 9411 for the filing fee.

Also is enclosed a supply of Form 25, Sundry Notices and Reports on Wells. This report should be submitted monthly.

We should be notified when a well is spudded, when it is logged or tested, if operations are being suspended for any reason, etc. whether or not any of these coincide with the above monthly report.

If this office may be of assistance to you at any time, do not hesitate to contact us.

Yours very truly,

John Bannister
Executive Secretary

MR
enc



THE ATLANTIC REFINING COMPANY
INCORPORATED - 1870
PETROLEUM PRODUCTS

April 27, 1965

DOMESTIC PRODUCING DEPARTMENT
NEW MEXICO DISTRICT

MAILING ADDRESS
P. O. BOX 1978
ROSWELL, NEW MEXICO

Oil and Gas Conservation Commission
State of Arizona

Gentlemen:

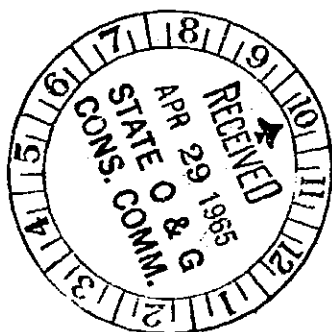
On February 1, 1965, Atlantic established a New Mexico -
Arizona District with headquarters in Roswell. Previously
Arizona matters were handled by our Denver office. We
would like for notices and reports which have been forwarded
to our Denver office to be directed to the writer at Post
Office Box 1978, Roswell, New Mexico. Delete our Denver
office from your mailing list altogether.

Any notices and reports that have been sent to our
Farmington office should continue.

Yours very truly,

W. P. Tomlinson

WPT:jcb





THE ATLANTIC REFINING COMPANY
INCORPORATED - 1870
PETROLEUM PRODUCTS

April 23, 1965

DOMESTIC PRODUCING DEPARTMENT

MAILING ADDRESS:
P. O. BOX 2197
FARMINGTON, NEW MEXICO
87401

Oil & Gas Conservation Commission
of the State of Arizona
Attn: Mr. Jim Scurlock
Room 202 1624 West Adams
Phoenix 7, Arizona

Re: The Atlantic Refining Company et al,
Hopi 9 Well #1, SW SE Sec. 9, T-28N,
R-15E, Navajo County, Arizona

Dear Jim:

Three copies of the Application for Permit to Drill this well are attached. Also, a check for the filing fee is attached. A current Organization Report will be filed by our Roswell office.

This well will be under supervision of our District office in Roswell and our area office in Farmington. Please call collect to either of these offices if you have any questions concerning operations or information on this well.

District Office

The Atlantic Refining Company
A.D. Kloxin - District Drilling & Production Superintendent
Box 1978
Roswell, New Mexico Ph. Area 505, 622-4041

Farmington Office

The Atlantic Refining Company
B.J. Sartain - Drilling & Production Supervisor
Box 2197
Farmington, New Mexico Ph. Area 505, 325-7527

Yours very truly,

B. J. Sartain
B. J. Sartain

